



4060/58-2

## POLYENE COMPOUNDS

**Abstract of Disclosure**

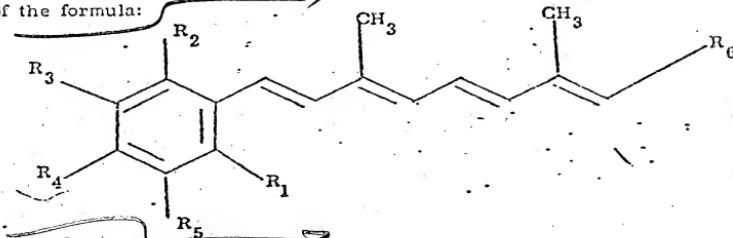
Novel 9-phenyl 5,6-dimethyl-nona-2,4,6,8-tetraenoic acid, -  
tetraenal or tetraenol derivatives useful as anti-tumor agents.

Cross Reference to Related Applications

~~This application is a continuation-in-part application  
of prior application Serial No. 601,143, filed August 1, 1975,  
which in turn is a continuation-in-part application of  
application Serial No. 454,007, filed March 22, 1974.~~

## Summary of the Invention

In accordance with this invention, it has been found that compounds of the formula:



wherein R<sub>1</sub> and R<sub>2</sub> are lower alkyl; R<sub>3</sub> is hydrogen, lower alkyl, lower alkoxy, lower alkenyloxy, nitro, halo, amino, lower alkyl-amino, lower alkanoylamino, or N-heterocyclyl; R<sub>4</sub> is hydrogen, lower alkyl, lower alkenyl, lower alkoxy, lower alkenyloxy, nitro, lower alkanoyloxy, amino, lower alkylamino or N-heterocyclyl; R<sub>5</sub> is hydrogen, lower alkyl, lower alkenyl, lower alkoxy, lower alkenyloxy, nitro, halo, amino, lower alkanoylamino, lower alkyl amino,

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